

TSVETKOV, R.I.

Analysis of the work of operating peat briquetting plants and
means of lowering the price of briquets. Torf. prom. 35 no. 4:30
'58. (MIRA 11:7)

1. Nachal'nik otдела nauchno-issledovatel'skikh rabot Giprotopproma.
(Briquets(Fuel))
(Peat)

GALYBIN, N.A.; RODIONOV, N.S.; TSVETKOV, B.I., inzhener; KOLOTUSHKIN, V.I.,
redaktor; BORISOV, A.S., tekhnicheskiy redaktor

[Concise manual on peat winning and the technology of briquetting]
Kratkoe rukovodstvo po dobyche torfa i tekhnologii briketirovaniia.
Moskva, Gos. izd-vo mestnoi promyshl. RSFSR, 1956. 258 p. (MLRA 10:1)
(Peat) (Briquets (Fuel))

TSVETKOV, B. I. Marinin, V.

26929

Ob Odnom Opticheskom Metode Izmereniya skorosti Ul'trazvuka. Doklady Akad.
Nauk Sssr, Novaya Seriya, T. LXVIII, No. 1 1949, S.49-52

SO: LETOPIS' NO. 34

GUREVICH, B.A.; PONKRATOV, B.K.; TSVETKOV, B.M.

Problem concerning the determination of the future industrial load
component of an electric power system. Obshch.energ. no.4:7-17
'61. (MIRA 14:8)

(Electric power distribution)

MOROZOV, Ivan Konstantinovich, general-mayor; TSVEIKOV, B.M., red.

[The regiments fought like guardsmen; memoirs of a division commander] Polki srazhalis' po-gvardeiski; zapiski komandira divizii. Volgograd, Nizhne-Volzhskoe knizhnoe izd-vo, 1964. 162 p. (MIRA 18:3)

YEVGEN'YEV (PASHCHENKO), German Yevgen'yevich; TSVETKOV, B.N., red.;
VOLCHOK, K.M., tekhn.red.

[Along waterways of the Northwest; guidebook] Po vodnym putiam
Severo-Zapada; putevoditel'. Leningrad, Izd-vo "Rechnoi
transport," Leningr.otd-nie, 1958. 311 p. (MIRA 13:6)
(Russia, Northwestern--Waterways)

TSVETKOV, Boris Nikolayevich; KAZANSKIY, M.M., red.; POL'SKAYA, R.G.,
tekhn. red.

[Legal regulation of lumbering operations] Pravovoe reguliro-
vanie lesozagotovitel'nykh rabot. Izd.2., perer. Leningrad,
Lenizdat, 1961. 110 p. (MIRA 15:1)
(Lumber—Law and legislation)

CA

2

Flow birefringence of liquids with molecular chains
R. V. Frisman and B. N. Tsvetkov (A. A. Zhukov State
Univ., Leningrad). *Zhur. Fiz. Khim.* 25, 682-7 (1951).
The dynamo-optical const. M characteristic of flow bire-
fringence is measured for several fatty acids ($C_nH_{2n}O_2$ with
 $n = 4, 6, 7, 9, 14, 16$, and 18), normal alcs. ($C_nH_{2n+2}O$

with $n = 6, 7, 8, 9, 10, 14, 16, 18$, and 20), and normal alcs.
in cyclohexanol soln. ($n = 9, 10, 14, 16, 18, 20$). The exptl.
values are considerably smaller than those calcd. from mol.
polarizabilities and shape factors (cf. Tsvetkov, et al., *C.A.*
43, 400g, 7284g). This discrepancy shows that the effective
coeffs. of rotational diffusion, D , are larger than the calcd.
ones, assuming that the mols. are rigid ellipsoids to which
the laws of macroscopic hydrodynamics can be applied.
The curves for each series in a diagram MT ($T = \text{abs. temp.}$)
against Z (no. of C atoms) show a "satn." reached at $Z \approx 15$
for the acids and at $Z \approx 25$ for the alcs. By means of the
formula of Leontovich (*J. Phys. U.S.S.R.* 4, 400 (1941)) the
relaxation times for optical anisotropy are calcd. for the
liquids studied. The "satn." shows that the "kinetic unit"
consists of segments comprising 15 to 20 C atoms M. B.

TSVETKOV, B. S.

27074 TSVETKOV, B. S., BOEKOV, N. P., MIKHAYLOVSKIY, Yu. V.; RYZHKOV, A. N.
Mekhanizatsiya trudoyemkikh i tyazhelykh rabot, 1949, No.8, s. 32-36

SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

TSVETKOV, L.; KOCHANKOVA, D.; TSVETKOV, D.; DALAKMANSKI, IU.

Cholesterol and calcium levels in human and animal vessels in different age groups and an attempt to decrease their content. Suvr. med. 16 no.12:727-736 '65.

1. Katedra po khigiena i profesionalni bolesti, Vissh meditsinski institut, Sofiia (rukovoditel: prof. L. TSvetkov).

~~SECRET~~ (1)
BULGARIA / General and Special Zoology. Insects

P

Abs Jour: Ref Zhur-Biol., No 1, 1958, 2368

Author : Tsvetkov, Dimitur, Tsalev, Mikhail

Inst : ~~Asisat~~

Title : Notes on Species Membership, Biology and Methods of
Control of Dry Fruit Mites. - Carpoglyphus Lactis L.

Orig Pub: Byul. rastit. zashchita, 1956, 5, No 1, 91-94

Abstract: No abstract.

Card 1/1

31

USCOMM-DC-55661

BULGARIA / General and Special Zoology. Insects

P

Abs Jour: Ref Zhur-Biol., No 1, 1958, 2368

Author : Tsvetkov, Dimitur, Tsalev, Mikhail

Inst :

Title : Notes on Species Membership, Biology and Methods of
Control of Dry Fruit Mites. - Carpoglyphus Lactis L.

Orig Pub: Byul. rastit. zashchita, 1956, 5, No 1, 91-94

Abstract: No abstract.

Card 1/1

31

USCOMM-DC-55661

IONKOV, Iv.; TSOLOV, R.; DOSKOV, I.; SHISHMANOVA, IUL.; ANDREEV, I.;
NIKOLOV, St.; SUKIASIAN, Kh.; MATEV, M.; ATANASOV, E.;
TODOROV, B.; STEFANOVA, A.; PETRUNOV, St.; TSVETKOV, D.;
ORESHKOV, V.; SIMEONOV, S.; PATARINSKI, D.; AVRAMOVA, N.;
MALCHEV, Kh.

Biochemical changes in patients with influenza during the
1959 epidemic. Nauch. tr. vissh. med. inst. Sofia 41 no.7:
9-14 '62.

1. Predstavena ot prof. I. Ionkov.
- | | | |
|-------------------|-------------------|----------------------|
| (INFLUENZA) | (GAMMA GLOBULIN) | (IRON METABOLISM) |
| (BILIRUBIN) | (BICARBONATES) | (BLOOD CHOLESTEROL) |
| (UREA) | (BLOOD SUGAR) | (PROTEIN METABOLISM) |
| (POTASSIUM) | (BLOOD PROTEINS) | (SODIUM) |
| (17-KETOSTEROIDS) | (SODIUM CHLORIDE) | |

TSVETKOV, D.

Control of storage pests by dusting the wheat grains with
Alodan 5%. Izv Inst zasht rast 5:163-169 '63.

BULGARIA/General and Special Zoology - Insects.

P.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30573

Author : Tsvetkov, D., Toshev, Ts.

Inst :

Title : The Use of the Aerosol Method in the Control of Pests of Agricultural Plants.

Orig Pub : Ovoashcharstvo i gradinarstvo, 1957, No 1, 15-19.

Abstract : The use in Bulgaria for 2 years of an aerosol of a 15% solution of DDT in green oil (25 l/hectare) led to the destruction of 99-100% of the larvae of the American white butterfly, of the brown-tail moth and of the pseudolarvae of the prune saw fly. About the same results were obtained from the aerosol of a 10% solution of HCCH in green oil and of a 4% parathion emulsion. The use of only the 4% parathion emulsion caused the total destruction of the aphids. The treatment covered 2-10 hectares per hour.

Card 1/1

- 18 -

MASLOV, V.; TSVETKOV, D. (Leningrad)

Public inspectors of a four-times decorated factory. Obshchestv.
pit. no.10:13-16 0 '61. (MIRA 15:1)

1. Predsedatel' zavodskogo komiteta Kirovskogo zavoda, g.
Leningrad (for Maslov).

(Leningrad--Machinery industry)
(Restaurants, lunchrooms, etc.)

TSVETKOV, D.

Disinfecting the food storehouses. p. 17.
(Koopervatvino Zemedelie, Vol. (12) no. 5, May 1957. Sofia, Bulgaria)

80: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

TSVETKOV, D.

"Concerning the Rotation of Sowing Crops in Bulgaria."

p. 15 (Koopерativno Zemedelie, No, 6, June 1958, Sofia, Bulgaria)

Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 11,
Nov. 1958

TSVETKOV, D.

BULGARIA / General and Specialized Zoology. Insects. P
Insect and Mite Pests.

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44875

Authors : Tsvetkov, D.; Tosheva, Ts.

Inst : Not given

Title : The Results of Testing the Aerosol AAG Generator for the Disinfection of Empty Warehouses.

Orig Pub : Byul. rastit. zashchita, 1957, 6, No. 1,
58-74

Abstract : None given.

Card 1/1

BULGARIA / General and Special Zoology. Insects. P
Harmful Insects and Mites. Pests of Com-
mercial, Oil-Bearing, Medicinal and Essen-
tial Oil-Bearing Crops.

Abs Jour: Ref Zhur-Biol., No 1, 1959, 2307.

Author : Tsvetkov, D.

Inst : Not given.

Title : Observations on Hop Pests Seldom Found and
Previously Unknown in Bulgaria.

Orig Pub: Byul. rast. zashchita, 1957, 6, No 3, 44-47.

Abstract: No abstract.

Card 1/1

TSVETKOV, D.

Fight against destructive insects and animals in storehouses. p. 16.
(Kooperativno Zemedelis Vol. 10, no. 8, Aug. 1955, Sofiya)

SO: Monthly List of East European Accessions, (EMAL). LC, Vol. 4, No. 11,
Nov. 1955, UNCL.

TSVETKOV, D.

"Preparing Storehouses for Crops", P. 22, (KOOPELATIVNO ZEMEDELIE,
Vol. 9, No. 2/3, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1,
Jan. 1955, Uncl.

ITSIKSON, B.; TSVETKOV, D.

Brief news. Gaz. prom. 8 no.4:55 '63.

(MIRA 17:10)

RADCHIK, I.I., red.; TSVETKOV, D.A., red.; KORSUN, Ye.P., ved. red.;
POLOSINA, A.S., tekhn. red.

[Instructions for the selection of apparatus, equipment, appliances, and receptacles for liquefied gas; a catalog-handbook] Ukazaniia po vyboru apparatury, oborudovaniia, armatury i kip dlia szhizhennogo gaza; katalog-spravochnik. Moskva, Gostoptekhizdat, 1962. 161 p. (MIRA 15:12)

1. Gosudarstvennyi institut po proyektirovaniyu magistral'nykh gazoprovodov i sooruzheniy gazovoy promyshlennosti Yuga.
(Liquefied petroleum gas)

TSVETKOV, E., inzh.

River transportations in the German Federal Republic. Rech. transp.
20 no.6:53-55 Je '61. (MIRA 4:6)
(Germany, West--Inland water transportation)

TSVETKOV, D.A.

Aluminum cylinders for liquefied gas. Gaz. delo no.9:43-44 '64.
(MIRA 17:11)

1. Vsesoyuznyy trest po dobyche i pererabotke prirodnnykh gazov
i geliya.

TSVETKOV, D. A.

Use of liquefied gases in the national economy of the U.S.S.R.
Gaz. delo no. 11:42-47 '63. (MIRA 17:5)

1. Vsesoyuznyy trest po dobyche i pererabotke prirodnnykh gazov i geliya.

TSVETKOV, D.G.; CHEREMNYKH, G.D.

Using F.V.Drobyshev's reduction printer without pantograph.
Geod. i kart. no.9:36-40 S '60. (MIRA 13:11)
(Aerial photogrammetry)

ZIATEV, Mincho P., prof. inzh.; PANAMSKI, Iliia M., inzh.; FARKHI, Samuil L.,
inzh.; LAZAROV, Zakhari M., inzh.; TSVETKOV, Dimcho N., inzh.

Effects of deformation phenomena in the high-voltage system of
Bulgaria. Tekhnika Bulg 11 no.4:125-128 '62.

ACCESSION NR: AT3007034

AUTHOR: Kotel'nikov, V. A.; Dubinskiy, B. A.; Kisluk, M. D.; Tsvetkov, D. M.

TITLE: Precise determination of the astronomical unit based on radar returns from Venus in 1961

SOURCE: AN SSSR. Izvest. sputniki zemli, no. 17, 1963, 101-106

TOPIC TAGS: astronomical unit, Venus, Venus probe, Venus radar echo, Venus radar signal, Venus radar return

ABSTRACT: A revised value for the astronomical unit (A) is arrived at from calculations on the basis of radar returns from Venus in April 1961. The radar measurements were conducted by the Institut radiotekhniki i elektroniki, AN SSSR (Institute of Radio Engineering and Electronics, Academy of Sciences SSSR) and yielded a more accurate value of A than previously obtained from Venus radar echoes in 1958 and 1959 because of the higher transmitting power (not specified) that was used. The measurement method is also superior to that using orbital data from an artificial satellite such as Pioneer V, since the ephemeris of the satellite is not known as accurately as that of Venus. Values of A calculated on the basis of signal round-trip time were found to be more accurate than those

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L 15707-63

ACCESSION NR: AT3007034

8/2560/63/000/017/0101/0106

calculated from Doppler-shift data. The mean value for A was determined to be 149,599,300 km, based on signal return times for 89 measurement periods between 18 and 26 April 1961. This figure includes an rms error of ± 330 km due to the uncertainty in measuring elapsed signal time. Additional systematic errors, which include the uncertainties of Venus' radius, of the speed of light in a vacuum, and of the actual location of the signal reflecting surface on Venus, and the inherent delay in the receiving system, must also be considered. This results in an overall calculated rms error of ± 2000 km. Comparison of the Soviet figure to three other values of A reported in the U. S. and Great Britain based on Venus radar echoes in 1961 show that all four nominal values of A lie within 2300 km of each other. Orig. art. has: 3 figures and 3 formulas.

ASSOCIATION: none

SUBMITTED: 23Aug62

DATE ACQ: 11Oct63

ENCL: 00

SUB CODE: AS

NO REF SOV: 003

OTHER: 005

Card 2/2

KOTEL'NIKOV, V.A.; DUBINSKIY, B.A.; KISLIK, M.D.; TSVETKOV, D.M.

Specification of the astronomical unit from the results of radar
observations of the planet Venus in 1961. Isk.sput.Zem. no.17:
101-106 '63. (MIRA 16:7)

(Radar in astronomy) (Venus (Planet))
(Astronomy, Spherical and practical)

TSVETKOV, E.M.

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Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (11) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (12) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (13) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (14) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (15) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (16) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (17) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (18) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (19) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (20) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (21) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (22) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (23) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (24) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10. (25) Khimiya i Prikladnaya Tekhnika, vol. 1, no. 1, (1962), p. 1-10.

Collection of complete papers presented at the 1959 Intern Conference on Chemistry of Organophosphorus Compounds.

~~TSVETKOV, E. N.~~

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Khimiya i Prikladnaya Tekhnologicheskikh Soyedineniy (Chemistry and Application of Organophosphorus Compounds) A. Ya. Izraelov, Ed. publ. by Kazan' Affil, Acad. Sci. USSR, Moscow, 1962 654pp.	

Collection of complete papers presented at the 1959 Kazan Conference on Chemistry of Organophosphorus Compounds.

TSVETKOV, E., inzh.; DUBROVIN, M., inzh.; SUCHKOV, L., inzh.

Effectiveness of delivering adequate coal supplies for a year's
consumption. Rech. transp. 23 no.1:7-8 Ja '64. (MIRA 18:11)

TSVETKOV, E., inzh.

Bringing in a year's supply of coal by river transportation.
Rech.transp. 23 no.9:62-63 S '64.

(MIRA 19:1)

SAVIN, V.I. (Gor'kiy); TSVETKOV, E.S. (Gor'kiy)

Selection of a system for transporting coal from the Donetsk
Basin to the thermal electric power plants of the Volga Valley.
Izv. AN SSSR. Energ. i transp. no.1:62-66 Ja-F '65. (MIRA 18:4)

ZHEVNOVATYY, A.I.; VOLKOV, V.N.; PEVZNER, I.Z.; Primali uchastiye:
KRUK, O.P.; KRUTITSKIY, V.M.; KOL'TSOV, I.M.; TSVETKOV, F.A.

Effect of elastic ultrasonic waves on reducing the speed of
scale formation. TSvet. met. 35 no.3:48-53 Mr '62. (MIRA 15:4)

(Ultrasonic waves--Industrial applications)

SUKOMEL, A.S., kand. tekhn. nauk; TSVETKOV, F.F., inzh.; KERIMOV, R.V., inzh.

Local heat transfer from a heated pipe wall to a turbulent
gas flow carrying suspended graphite particles. Trudy MEI
no.63:17-26 '65. (MIRA 18:12)

09921;

S/170/61/004/003/002/013
B117/B209

26.2223
11.9000

AUTHORS: Petukhov, B. S., Tsvetkov, F. F.

TITLE: Calculation of heat exchange in laminar liquid flow in tubes within the range of low Péclet numbers

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, v. 4, no. 3, 1961, 10-17

TEXT: The authors used an approximation method in calculating the heat exchange in a laminar flow of liquid within the range of low Pe numbers. This method is based on a stepped, instead of a continuous, radial temperature variation with the longitudinal temperature distribution remaining continuous. During these studies on stabilized flow and heat exchange in a cylindrical tube it is assumed that the liquid is not compressed, that its physical parameters are constant, that frictional heat is but little, and that the flow is hydrodynamically stabilized. The tube is divided along its radius into a number of coaxial layers whose thickness δ_i may differ in any general case. The wall of the tube is counted as one of those layers. By dividing the tube into n layers and establishing a heat balance equation for each of these layers one obtains n ordinary second-order differential

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S/170/61/004/003/002/013
B117/E 209

Calculation of heat ...

equations which take the boundary conditions at the wall into consideration. The solution of these equations yields the temperature variation as depending on x ; accurate except for a constant, for each of these layers. The integration constants are determined from the boundary conditions at the inflow and at the outflow end of the tube (or in infinity). After the equations for the temperature field have been found it is easy to calculate the local heat exchange coefficient. For a more exact calculation of the integral, the temperature distribution is approximated by a discontinuous line. The suggested method is the more effective, the smaller the number of layers securing an accurate computation. Comparison of the results obtained by this method with the accurately computed values of heat exchange in laminar flow through tubes, known from competent publications, showed that on division of the tube into three layers the error amount to 3% at most, and to 1% in the case of four layers. The suggested method was used in solving the problem of heat exchange in a laminar flow of liquid through a round tube with constant heat flux density at the wall (the wall was assumed to be infinitely thin). Formulas were derived for the temperature field (11.a)

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S/170/61/004/003/002/013
B117/B209

Calculation of heat ...

$$\theta_i = 4X + \sum_{j=1}^3 A_{ij} \exp(-\xi_j X) + A_{i4} \quad (X>0) \text{ and (11.b) } \theta_i = 4 \sum_{j=1}^4 B_{ij} \exp(\mu_j X) \quad (X<0),$$

Fig. 1, for the mean calorimetric temperature of the liquid (12.a)

$$\theta_{liq} = 4X + \sum_{j=1}^3 C_j \exp(-\xi_j X) + C_4 \quad (X>0) \text{ and (12.b) } \theta_{liq} = \sum_{j=1}^4 D_j \exp(\mu_j X) \quad (X<0)$$

(Fig. 2), and for the local Nusselt number (13) $1/Nu = \sum_{j=1}^3 E_j \exp(-\xi_j X) + E_4$

(Fig. 3). Here, A_{ij} , B_{ij} , C_j , E_j , ξ_j and μ_j denote constants depending on the Pe number the values of which are given in Table 1. It was shown that the temperature gradient at the wall, in accordance with the boundary conditions, remains constant for $X>0$ and vanishes at $X<0$. The $\theta_{liq} = F(X)$ curves are located the higher, the lower the Pe number. The effect of axial heat conductivity becomes conspicuous for the fact that, first, at low X values the Nu number rises with Pe and that, secondly, the reduced length of the thermal initial section $[(1/Pe)(l_{t.A.}/d)]$ decreases with rising Pe, tending

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Calculation of heat ...

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towards a limit of 0.07; the relative length of the thermal initial section increases thereon. In Fig. 4 the theoretical value of the Nusselt number $Nu_{\infty} = 4.36$ is compared with the experimental data with respect to the heat exchange during the flow of mercury in a round tube, and it shows satisfactory agreement. These data were ascertained at the Moskovskiy energeticheskiy institut (Moscow Power Engineering Institute) by A. Ya. Yushin, A. S. Sukomel, and B. K. Strigin under the supervision of one of the authors. There are 4 figures, 2 tables, and 5 references: 2 Soviet-bloc.

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